METHOD AND APPARATUS FOR SCHEDULING FORWARD DATA

BURSTS IN WIRELESS NETWORK

Abstract of the Disclosure

5   In a 3G CDMA2000 network, permanent virtual pipes of different data

rates (153.6 kbps, 76.8 kbps, 38.4 kbps and 19.2 kbps, for example) are

provisioned at a base station on the Forward Supplemental Channel (F-SCH)

for the transmission of data bursts to requesting mobile terminals by

allocating and grouping together a set of resources (i.e., contiguous Walsh

10   codes, contiguous ASIC real estate, etc.). Data bursts arriving from the

network are scheduled onto timeslots on all the pipes in a manner such that

at least one burst segment of each active burst is scheduled into a timeslot on

the highest data rate pipe. The other burst segments of a burst are

scheduled onto all the pipes so they migrate through the various rate pipes in

15   order to give all bursts opportunities on the higher rate pipes.